

Title (en)
PROCESS FOR PRODUCING 3-ALKENYLCEPHEM COMPOUNDS

Title (de)
VERFAHREN ZUR HERSTELLUNG VON 3-ALKENYLCEPHEM-DERIVATEN

Title (fr)
PROCEDE DE PRODUCTION DE COMPOSES DE 3-ALCENYLCEPHEM

Publication
EP 0990656 A1 20000405 (EN)

Application
EP 98923112 A 19980604

Priority

- JP 9802463 W 19980604
- JP 16340397 A 19970604

Abstract (en)
A process for preparing 3-alkenylcephem compounds characterized in that 3-alkenylcephem compound of the formula (3) is prepared in a single step by simultaneously conducting reactions of a 3-chloromethylcephem compound of the formula (1) with iodization reagent, alkali metal hydroxide or carbonate, arylphosphine and an aldehyde of the formula (2) R<4>-CHO wherein R<1>, R<2>, R<3> and R<4> are as defined in the specification.

IPC 1-7
C07D 501/04

IPC 8 full level
C07D 501/00 (2006.01); **C07D 501/04** (2006.01); **C07D 501/22** (2006.01); **C07D 501/24** (2006.01)

CPC (source: EP KR US)
C07D 501/00 (2013.01 - EP US); **C07D 501/04** (2013.01 - KR); **Y02P 20/55** (2015.11 - EP US)

Cited by
WO2007013043A3

Designated contracting state (EPC)
AT CH DE GB IT LI

DOCDB simple family (publication)
EP 0990656 A1 20000405; **EP 0990656 A4 20010905**; **EP 0990656 B1 20030129**; AT E231870 T1 20030215; AU 7549998 A 19981221; CN 1098267 C 20030108; CN 1257508 A 20000621; DE 69811074 D1 20030306; HK 1027574 A1 20010119; JP 4157177 B2 20080924; JP H10338694 A 19981222; KR 100338787 B1 20020531; KR 20010013235 A 20010226; US 6417351 B1 20020709; WO 9855485 A1 19981210

DOCDB simple family (application)
EP 98923112 A 19980604; AT 98923112 T 19980604; AU 7549998 A 19980604; CN 98805486 A 19980604; DE 69811074 T 19980604; HK 00106745 A 20001024; JP 16340397 A 19970604; JP 9802463 W 19980604; KR 19997011226 A 19991201; US 42426099 A 19991201